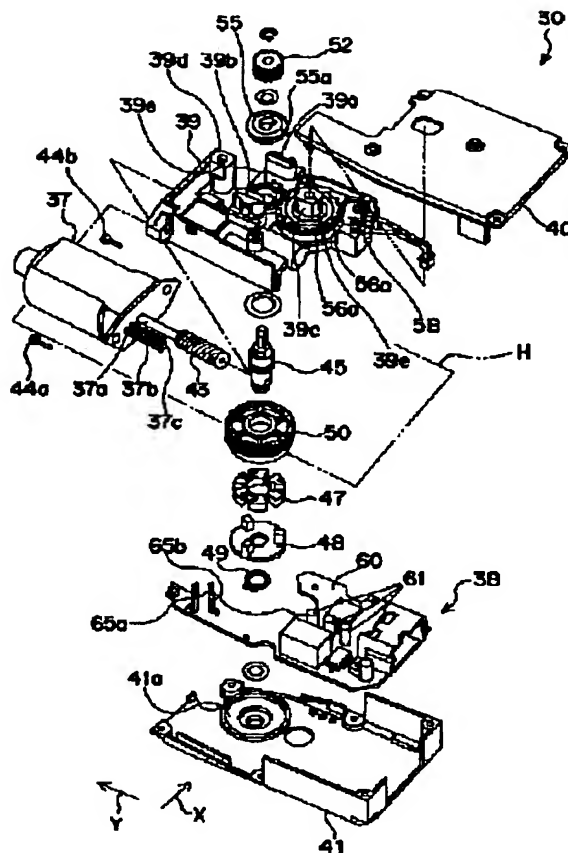


# Patent Abstracts of Japan

TITLE : ACTUATOR



**SOLUTION:** This actuator 30 is provided with a deceleration part consisting of a wheel gear 50 on a lower side of a housing main body 39 and a limit mechanism consisting of a switch wheel 55, a limit wheel, and a limit switch 58 on an upper side of the housing main body. That is, the deceleration part and the limit mechanism are provided in a condition in which they are accumulated at two steps on an upper side and a lower side of a horizontal plane H including a rotary axis 37a of a motor 37 on an inner face of a housing 38. According to this configuration, a dimension of the housing 38 in the horizontal direction shown by arrow marks X, Y is reduced when compared with the case where the deceleration part and the limit mechanism are arranged horizontally. Consequently, it is possible to miniaturize this actuator 30 on the whole.

**COPYRIGHT: (C)1999,JPO**